

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

**[BPHARM 0522]**

**MAY 2022  
(SEPTEMBER 2021 EXAM SESSION)**

**Sub. Code: 2007**

**B.PHARM. DEGREE EXAMINATION  
PCI Regulation 2017 – SEMESTER I  
PAPER IV – PHARMACEUTICAL INORGANIC CHEMISTRY  
Q.P. Code: 562007**

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Write the Principle and reaction involved in Modified limit test for chlorides and sulphates.
2. Define Radioactivity and explain the properties of  $\alpha$ ,  $\beta$  and  $\gamma$  radiations with suitable storage and precaution conditions.
3. Write the preparation involved in the Non-Electrolytic method of Hydrogen Peroxide with Assay and uses.

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. What is the importance of Buffers in Pharmacy?
2. Add a note on ideal properties of Antacids.
3. Write a note on Role of fluoride in the treatment of Dental caries.
4. Briefly discuss about history of Pharmacopoeia.
5. What is the composition and uses of Oral Rehydration salts?
6. Give the Preparation, Assay and Uses of Ammonium Chloride.
7. Define Haematinics and give the preparation and uses of Ferrous Sulphate.
8. What are the methods involved in adjusting Isotonicity.
9. Define Radioisotopes and Half life period of radioactivity.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Define Cathartics.
2. Give the storage conditions of Radio isotopes.
3. Define Astringent and give an example.
4. Uses of Citric acid in the limit test of Iron.
5. Define Antidote.
6. Limit Test.
7. Define Magaldrate.
8. Define Electrolytes
9. Give the principle involved in the limit test of Chloride.
10. Define Antimicrobials agent.

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